

Rotavirus P[8] Infections in Persons with Secretor and Nonsecretor Phenotypes, Tunisia

Technical Appendix

Technical Appendix Table. Summary of the previously designed primers used for rotavirus typing in a study of children <6 years of age with secretor and nonsecretor phenotypes, Monastir, Tunisia, November 2011–February 2012

Primer	Sequence	Polarity	Primer location	Reference
VP7-F	5'-ATGTATGGTATTGAATATACCAC-3'	+	49–71	(1)
VP7-R	5'-AACTGCCACCATTTTCC-3'	-	914–933	(1,2)
VP4-F	5'-TATGCTCAGTNAATTGG-3'	+	132–149	(3)
VP4-R	5'-ATTGCATTTCTTCATAATG-3'	-	775–795	(3)
VP6-F	5'-GACGGVGCRACTACATGGT-3'	+	747–766	(4)
VP6-R	5'-GTCCAATTCATNCCTGGTGG-3'	-	1106–1126	(4)
aBT1	5'-CAAGTACTCAAATCAATGATGG-3'	+	314–335	(5)
aCT2	5'-CAATGATATTAACACATTTCTGTG-3'	+	411–435	(5)
G3	5'-ACGAACCTAACACGAGAGG-3'	+	250–269	(2)
aDT4	5'-CGTTCTGGTGAGGAGTTG-3'	+	480–498	(5)
aAT8	5'-GTCACACCATTGTAATTG-3'	+	178–198	(5)
G9	5'-CTTGATGTGACTAYAAATAC-3'	+	757–776	(2,5)
G10	5'-ATGTCAGACTACARATACTGG-3'	+	666–687	(2)
2T-1	5'-CTATTGTTAGAGGTTAGAGTC-3'	-	474–494	(6)
3T-1	5'-TGTTGATTAGTTGGATTCAA-3'	-	259–278	(6)
1T-1D	5'-TCTACTGGRTTRACNTGC-3'	-	339–356	(7)
4T-1	5'-TGAGACATGCAATTGGAC-3'	-	385–402	(6)
5T-1	5'-ATCATACTTAGTAGTCGG-3'	-	575–594	(6)
P[11]	5'-GTAAACATCCAGAATGTG-3'	-	305–323	(2)

References

1. Gómara MI, Cubitt D, Desselberger U, Gray J. Amino acid substitution within the VP7 protein of G2 rotavirus strains associated with failure to serotype. *J Clin Microbiol.* 2001;39:3796–8. [PubMed](http://dx.doi.org/10.1128/JCM.39.10.3796-3798.2001) <http://dx.doi.org/10.1128/JCM.39.10.3796-3798.2001>
2. Iturriza-Gómara M, Kang G, Gray J. Rotavirus genotyping: keeping up with an evolving population of human rotaviruses. *J Clin Virol.* 2004;31:259–65. [PubMed](http://dx.doi.org/10.1016/j.jcv.2004.04.009) <http://dx.doi.org/10.1016/j.jcv.2004.04.009>
3. Simmonds MK, Armah G, Asmah R, Banerjee I, Damanka S, Esona M, et al. New oligonucleotide primers for P-typing of rotavirus strains: Strategies for typing previously untypeable strains. *J Clin Virol.* 2008;42:368–73. [PubMed](http://dx.doi.org/10.1016/j.jcv.2008.02.011) <http://dx.doi.org/10.1016/j.jcv.2008.02.011>
4. Iturriza Gómara M, Wong C, Blome S, Desselberger U, Gray J. Molecular characterization of VP6 genes of human rotavirus isolates: correlation of genogroups with subgroups and evidence of independent segregation. *J Virol.* 2002;76:6596–601. [PubMed](http://dx.doi.org/10.1128/JVI.76.13.6596-6601.2002) <http://dx.doi.org/10.1128/JVI.76.13.6596-6601.2002>

5. Gouvea V, Glass RI, Woods P, Taniguchi K, Clark HF, Forrester B, et al. Polymerase chain reaction amplification and typing of rotavirus nucleic acid from stool specimens. *J Clin Microbiol.* 1990;28:276–82. [PubMed](#)</jrn>
6. Gentsch JR, Glass RI, Woods P, Gouvea V, Gorziglia M, Flores J, et al. Identification of group A rotavirus gene 4 types by polymerase chain reaction. *J Clin Microbiol.* 1992;30:1365–73. [PubMed](#)</jrn>
7. Iturriza-Gómara M, Green J, Brown DW, Desselberger U, Gray JJ. Diversity within the VP4 gene of rotavirus P[8] strains: implications for reverse transcription-PCR genotyping. *J Clin Microbiol.* 2000;38:898–901. [PubMed](#)